Contents to volume 295

Hypotheses

$(HX)_n$ repeats: a pH-controlled protein–protein interaction motif of eukaryotic transcription factors? (FEBS 10536) *R. Janknecht, C. Sander, O. Pongs* 1

The evolution of placental mammals (FEBS 10508) *J.R. Harris* 3

MAP2: a sensitive cross-linker and adjustable spacer in dendritic architecture (FEBS 10539) *P. Friedrich, A. Aszódi* 5

Research Letters

A novel strategy for production of a highly expressed recombinant protein in an active form (FEBS 10475) *J.R. Blackwell, R. Horgan* 10

Evidence for two protein-lipoylation activities in *Escherichia coli* (FEBS 10477) *D.E. Brookfield, J. Green, S.T. Ali, R.S. Machado, J.R. Guest* 13

Epidermal growth factor (EGF) decreased endothelin-2 (ET-2) production in human renal adenocarcinoma cells (FEBS 10476) *F. Tokito, N. Suzuki, M. Hosoya, H. Matsumoto, S. Ohkubo, M. Fujino* 17

Compositional properties of telomeric regions from human chromosomes (FEBS 10479) *A. De Sario, B. Aïssani, G. Bernardi* 22

Nature of papain products resulting from inactivation by a peptidyl *O*-acyl hydroxamate (FEBS 10498) *R. Ménard, R. Feng, A.C. Storer, V.J. Robinson, R.A. Smith, A. Krantz* 27

Relationship between DNA methylation and cell proliferation in *Trypanosoma cruzi* (FEBS 10499) *M.V. Rojas, N. Galanti* 31

Structural properties of connectin studied by ultraviolet resonance Raman spectroscopy and infrared dichroism (FEBS 10500) *K. Uchida, I. Harada, Y. Nakauchi, K. Maruyama* 35

Tomato alcohol dehydrogenase: Expression during fruit ripening and under hypoxic conditions (FEBS 10481) *D.V.D. Straeten, R.A.R. Pousada, J. Gielen, M. Van Montagu* 39

Inositol and inositol 1,4,5-trisphosphate content of Down syndrome fibroblasts exhibiting enhanced inositol uptake (FEBS 10480) *B.R. Fruen, B.R. Lester* 43

Muramyl peptide-binding sites are located inside target cells (FEBS 10510) *M.V. Sumaroka, I.S. Litvinov, S.V. Khaidukov, T.N. Golovina, M.V. Kamraz, R.L. Komal'eva, T.M. Andronova, E.A. Makarov, V.A. Nesmeyanov, V.T. Ivanov* 48

Uncoupling effect of fatty acids on heart muscle mitochondria and submitochondrial particles (FEBS 10502) *V.I. Dedukhova, E.N. Mokhova, V.P. Skulachev, A.A. Starkov, E. Arrigoni-Martelli, V.A. Bobyleva* 51

Regulatory light chain influences alterations of myosin head induced by actin (FEBS 10503) *E.B. Babiychuk, D. Stepkowski, V.M. Danilova, I. Kakol* 55

Possible requirement of serum progression factors for transformation of BALB/c 3T3 fibroblasts by v-*Ras* p21 (FEBS 10504) *S.-i. Harada, I. Nishimoto* 59

A C-terminal proline is required for bioluminescence of the Ca^{2+}-binding photoprotein, aequorin (FEBS 10505) *M. Nomura, S. Inouye, Y. Ohmiya, F.I. Tsuji* 63

Direct observation of the biphasic conformational change of DNA induced by cationic polymers (FEBS 10506) *K. Minagawa, Y. Matsuzawa, K. Yoshikawa, M. Matsumoto, M. Doi* 67

Interaction of a synthetic peptide of the interferon α-2 C-terminal part with human blood leukocytes: Binding to peripheral blood mononuclear cells (FEBS 10509) *A.V. Danilkovitch, A.I. Kharitonenkov, K.V. Freze, A.F. Shevalier, O.V. Kolosova, T.V. Bulargina, A.F. Kirkin, M.V. Gusev* 70

Subunit separation in reversed micelle system reveals the existence of active centers both on light and heavy γ-glutamyltransferase subunits (FEBS 10507) *A.V. Kabanov, S.N. Nametkin, N.N. Chernov, N.L. Klyachko, A.V. Levashov* 73

Effects of the membrane potential upon the Ca^{2+}- and cumene hydroperoxide-induced permeabilization of the inner mitochondrial membrane (FEBS 10511) *S.A. Novgorodov, T.I. Gudz, Y.E. Kushnareva, O. Eriksson, Y.N. Leikin* 77

Promiscuity of $GABA_A$-receptor β3 subunits as demonstrated by their presence in α1, α2 and α3 subunit-containing receptor subpopulations (FEBS 10512) *S. Pollard, M.J. Duggan, F.A. Stephenson* 81

Dynamic light scattering studies of the aggregation of lysozyme under crystallization conditions (FEBS 10514) *M. Skouri, M. Delsanti, J.-P. Munch, B. Lorber, R. Giegé* 84

PGE_2 regulates cholecystokinin-octapeptide (CCK-8)-stimulated Cl^- conductance in isolated zymogen granules from rat pancreas (FEBS 10513) *T. Plusczyk, A. Püper, I. Schulz* 89

Molecular cloning and expression of the cDNA coding for a new member of the S100 protein family from porcine cardiac muscle (FEBS 10517) *H. Ohta, T. Sasaki, M. Naka, O. Hiraoka, C. Miyamoto, Y. Furuichi, T. Tanaka* 93

RNA editing in ATPase subunit 6 mRNAs in *Oenothera* mitochondria: A new termination codon shortens the reading frame by 35 amino acids (FEBS 10515) *W. Schuster, A. Brennicke* 97

Type-1 inhibitor of plasminogen activators: Distinction between latent, activated and reactive centre-cleaved forms with thermal stability and monoclonal antibodies (FEBS 10518) *M. Munch, C. Heegaard, P.H. Jensen, P.A. Andreasen* 102

Delayed activation of phospholipase D by gonadotropin-releasing hormone in a clonal pituitary gonadotrope cell line (αT3-1) (FEBS 10522) *E. Netiv, M. Liscovitch, Z. Naor* 107

Gene expression of type I phospholipase A_2 in pancreatic beta cells: Regulation of mRNA levels by starvation or glucose excess (FEBS 10523) *S. Metz, D. Holmes, R.P. Robertson, W. Leitner, B. Draznin* 110

EPR-spectroscopy of reduced oxyferrous-$P450_{cam}$ (FEBS 10524) *R. Davydov, R. Kappl, J. Hüttermann, J.A. Peterson* 113

Two isoforms of the muscle acetylcholine receptor α-subunit are translated in the human cell line TE671 (FEBS 10529) *A. Morris, D. Beeson, L. Jacobson, F. Baggi, A. Vincent, J. Newsom-Davis* 116

A sodium-stimulated ATP synthase in the acetogenic bacterium *Acetobacterium woodii* (FEBS 10525) *R. Heise, J. Reidlinger, V. Müller, G. Gottschalk* 119

The active site structure of *E. coli* HPII catalase: Evidence favoring coordination of a tyrosinate proximal ligand to the chlorin iron (FEBS 10526) *J.H. Dawson, A.M. Bracete, A.M. Huff, S. Kadkhodayan, C.M. Zeitler, M. Sono, C.K. Chang, P.C. Loewen* 123

A novel alternatively spliced viral mRNA transcribed in cells infected with human T cell leukemia virus type 1 is mainly responsible for expressing p21X protein (FEBS 10527) *S. Orita, A. Saiga, S. Takagi, T. Tanaka, K. Okumura, Y. Aono, Y. Hinuma, H. Igarashi* 127

Augmentation of macrophage recognition of oxidatively damaged erythrocytes by substratum-bound fibronectin and macrophage surface fibronectin (FEBS 10528) *M. Beppu, H. Masa, M. Hora, K. Kikugawa* 135

Alternatively spliced mRNA of the *pX* region of human T lymphotropic virus type I proviral genome (FEBS 10530) *K. Furukawa, K. Furukawa, H. Shiku* 141

Inhibition of protein tyrosine phosphatase activity by diamide is reversed by epidermal growth factor in fibroblasts (FEBS 10533) *H.P. Monteiro, Y. Ivaschenko, R. Fischer, A. Stern* 146
Cloning and functional characterization of a cocaine-sensitive dopamine transporter (FEBS 10531) *B. Giros, S.E. Mestikawy, L. Bertrand, M.G. Caron* 149
Chloramphenicol is an inhibitor of photosynthesis (FEBS 10534) *K. Okada, K. Satoh, S. Katoh* 155
Fluorine-19 NMR studies of the thermal unfolding of 5-fluorouracil-substituted *Escherichia coli* valine transfer RNA (FEBS 10538) *W.-C. Chu, J. Horowitz* 159
The control of cellular motility and the role of gelsolin (FEBS 10519) *E. Grazi, E. Magri, P. Cuneo, A. Cataldi* 163
A rapid change in phosphorylation on tyrosine accompanies fertilization of sea urchin eggs (FEBS 10520) *B. Ciapa, D. Epel* 167
A plant metallothionein produced in *E. coli* (FEBS 10521) *P. Kille, D.R. Winge, J.L. Harwood, J. Kay* 171
Phosphorylation-activated 6-phosphofructo-2-kinase from mantle tissue of marine mussels (FEBS 10532) *M.D. Vázquez-Illanes, J.I. Ramos-Martínez* 176
Xylose-specific antibodies as markers of subcompartmentation of terminal glycosylation in the Golgi apparatus of sycamore cells (FEBS 10535) *A.-C. Lainé, V. Gomord, L. Faye* 179
Protein phosphatase 2_A from *Xenopus* oocytes: Characterization during meiotic cell division (FEBS 10540) *P. Cormier, H.B. Osborne, T. Bassez, R. Poulhe, R. Bellé, O. Mulner-Lorillon* 185
A single activity carboxyl methylates both farnesyl and geranylgeranyl cysteine residues (FEBS 10541) *C. Volker, P. Lane, C. Kwee, M. Johnson, J. Stock* 189
Binding of inositol phosphates to arrestin : (FEBS 10542) *K. Palczewski, A. Pulvermüller, J. Buczylko, C. Gutmann, K.P. Hofmann* 195
Conformational changes in melittin upon complexation with an anionic melittin analog (FEBS 10545) *K. Ramalingam, J. Bello, S. Aimoto* 200
Isolation of cDNAs encoding a novel member of the neurotransmitter transporter gene family (FEBS 10546) *W. Mayser, H. Betz, P. Schloss* 203
A new distinct group of 2 S albumins from rapeseed: Amino acid sequence of two low molecular weight napins (FEBS 10551) *R.I. Monsalve, C. Lopez-Otin, M. Villalba, R. Rodriguez* 207
Functional characterization of RK5, a voltage-gated K^+ channel cloned from the rat cardiovascular system (FEBS 10555) *T.A. Blair, S.L. Roberds, M.M. Tamkun, R.P. Hartshorne* 211
Differential methylation of a CpG-island concatemer in hemi- and homozygous transgenic mice (FEBS 10560) *G. Gundersen, A.-B. Kolstø, H. Prydz* 214
Interaction between heterologous receptor tyrosine kinases: Hormone-stimulated insulin receptors activate unoccupied IGF-I receptors (FEBS 10556) *S. Tartare, R. Ballotti, E. Van Obberghen* 219
The proton pump bacteriorhodopsin is a photoreceptor for signal transduction in *Halobacterium halobium* (FEBS 10596) *S.I. Bibikov, R.N. Grishanin, W. Marwan, D. Oesterhelt, V.P. Skulachev* 223
Transcript hairpin structures are not required for RNA polymerase pausing in the gene encoding the *E. coli* RNase P RNA, M1 RNA (FEBS 10567) *R. Ramamoorthy, F.J. Schmidt* 227

Correspondence

A bovine brain cDNA purported to encode calmodulin-insensitive adenylyl cyclase has extensive identity with neural cell adhesion molecules (N-CAMs) (FEBS 10552) *R.T. Premont* 230

Errata & Corrigenda 232

Author index to volume 295 240

Contents to volume 295 243